

## Expression of Interest

### Contact Person/Scientist in Charge

- **Name and surname:** Rosa María Martínez-Espinosa
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- Universidad de Alicante**

### Department / Institute / Centre

- **Name of institution:** Applied Biochemistry group. Department of Agrochemistry and Biochemistry. Faculty of Science.
- **Address:** Carretera Alicante - San Vicente
- **Province:** Alicante

### Research Area

- Chemistry (CHE)
- Environmental Sciences and Geology (ENV)
- Life Sciences (LIF)

### Brief description of the institution:

The University of Alicante (UA) was created in 1979. Today it educates and trains more than 36.000 students -2.500 of them are international students - and offers more than 80 undergraduate and 96 postgraduate programmes: consequently it is proportionally one of the fastest growing universities in Spain. The UA houses 227 research groups in Social and Legal Sciences, Experimental Sciences, Technological Sciences, Human Sciences, Education and Health Sciences and 15 Research Institutes (Water & Environment, Materials, Electrochemistry, Biodiversity, Chemical Processes and Organic Synthesis, and Modern Languages, among others). Thus, the UA employs over 2.400 researchers/ professors and has a complex management /administration structure of 1.300 people, which involves an annual budget of 175 million Euros.

UA is a young and dynamic university with vast experience in implementing EU funded projects in different programmes and areas, with presence in more than 60 countries worldwide. In the last 10 years, UA has successfully acted as coordinator of many Tempus, Alfa, Edulink projects involving Third Countries and Lifelong Learning and Framework Programme (FP, DG Research) Projects. Moreover, the participation in FP has been increasing in the last years, taking part in 25 5th FP, 26 6th FP, 45 7th FP projects (13 of them coordinated by UA), and 6 in H2020.

It is worth underline the big effort performed by UA in order to meet the commitment with the principles set out in the European Charter for Researchers and in the Code of Conduct for the Recruitment of Researcher

### **Brief description of the Centre/Research Group:**

The research will be carried out in the research group "Applied Biochemistry", at the University of Alicante. Please, visit the following links in order to get more detailed information.

[https://cvnet.cpd.ua.es/curriculum-breve/grp/en/bioquimica-aplicada-applied-biochemistry-\(appbiochem\)/659](https://cvnet.cpd.ua.es/curriculum-breve/grp/en/bioquimica-aplicada-applied-biochemistry-(appbiochem)/659)

<https://web.ua.es/en/appbiochem/research-group-applied-biochemistry.html>

### **Project description:**

Denitrification carried out by haloarchaea (microbes belonging to the Archaea Domain).

This project involves two main areas:

- Basic and applied research on denitrification. Purification and characterisation of the enzymes, gene expression and regulation, nitrogenous gases emissions, etc.
- Applied research on potential applications of denitrification in wastewater treatments and heavy metals removal.

### **Applications**

Potential candidates must submit the following documents:

1. CV
2. Letter of motivation
3. Certificates of languages (English and/or Spanish)

*Deadline 15 July, 2019*